

AMENDMENT TO THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A process of extracting small molecular ingredients with molecular weight lower than 10,000 from a biological material materials under super high pressure, comprising characterized in that, it comprises the following steps:

1) pretreating ~~The step of pretreatment, crashing and formulation: the biological raw material is pretreated, crashed, and by pulverizing and then mixing mixed with a first portion of solvent by a proper ratio to obtain a first mixture;~~

2) adding ~~The step of closure: put the above mixture into a the pressure container; firstly and then closing~~ close the container;

3) ~~The step of increasing pressure[[:]] increase the pressure of in the pressure container from atmospheric normal pressure to a the predefined pressure of 100MPa - 1000Mpa at a temperature within 5°C of room temperature;~~

4) ~~The step of holding pressure[[:]] hold the predefined pressure for 3-30 minutes;~~

5) ~~The step of releasing pressure[[:]] release the pressure in the of pressure container to the normal pressure[[:]] ; and removing~~ remove the mixture from the container.

2. (currently amended) The process according to claim 1, comprising the steps of: characterized in that, adding the mixture of step 1) is firstly poured into a packing container, sealing the packing container which is then airproofed[[:]] and subsequently putting the packing container is put into the pressure container which is then closed; adding a after that, the medium for transferring pressure is charge into the pressure container;[[:]] and

removing the mixture from the packing container after releasing then the
pressure in of the pressure container is ~~increased via the medium, and finally it is~~
~~released to the normal pressure, and the extract mixture is removed.~~

3. (currently amended) The process according to claim 1, wherein characterized in that, the step steps of increasing pressure in the pressure container is done in steps and the step of releasing pressure is optionally done in ~~[[,]]~~ holding pressure and releasing pressure are finished by one step or several steps.

4. (currently amended) The process according to claim 1 ~~3~~ wherein, characterized in that~~[[,]]~~ the step steps of increasing pressure in the pressure container~~[[,]]~~ holding pressure and releasing pressure are finished by several steps is done in a ladder-type fashion~~[[,]]~~ which means that the pressure is increased to the first predefined pressure, and held for certain time, and then further increased to the second predefined higher pressure, and held for certain time, and increased again until reaching the last predefined pressure, and finally the pressure is released.

5. (currently amended) The process according to claim 1 ~~3~~, wherein characterized in that, the step steps of increasing pressure in the pressure container~~[[,]]~~ holding pressure and releasing pressure are finished by several steps in a pulse-type fashion~~[[,]]~~ which means that the pressure is increased to the first predefined pressure, held for certain time and released; the pressure is then increased to the second predefined pressure, held for certain time and released, thus repeated for two or more times, each of the pressure may be the same or not.

6. (currently amended) The process pressure according to claim ~~1~~ 3, wherein characterized in that, the steps of increasing pressure, holding pressure and releasing pressure are finished by several steps, which refers to extracting small molecular ingredients from the biological material is removed from the first solvent and materials

~~under super high pressure for several times, i.e., the raw biomaterial extracted under super high pressure is mixed with a second portion of solvent to obtain a second mixture that is added into the pressure container and the steps of increasing pressure, holding pressure and releasing pressure are repeated with the second mixture, wherein extracted once more under high pressure, thus repeated for two or more times[[,]] the solvent of the first mixture and the second mixture are independently chosen each extraction can be the same or not.~~

7. (currently amended) The process according to claim 1, wherein the process further comprises characterized in that, ~~the extraction under super high pressure can be combined with other processing technologies.~~

8. (currently amended) The process according to claim 7, wherein characterized in that[[,]] the other processing technologies comprise disposing said combination is accomplished by placing or assembling devices in the pressure container for use in one or more[[,]] ~~which can be used at any step, several steps of the process or total steps of before increasing pressure, increasing pressure, holding pressure, releasing pressure or after releasing pressure.~~

9. (currently amended) The process according to claim 7, wherein characterized in that[[,]] the other processing technologies are performed combination is accomplished before the step of increasing pressure ~~extraction under super high pressure, wherein the processing technologies are called as prior treatment.~~

10. (currently amended) The process according to claim 1, wherein characterized in that[[,]] said solvent comprises includes water, and/or an organic solvent, or the mixture thereof.

11. (currently amended) The process according to claim 1, wherein characterized in that~~[[,]]~~ the medium for transferring pressure is liquid.

12. (currently amended) The process according to claim 1, ~~characterized in that[[,]]~~ step 1) further comprising comprises adding the chemicals and/or biological products as an auxiliary additive additives into the mixture of raw biomaterial and solvent.

13. (currently amended) The process according to claim 1, comprising characterized in that~~[[,]]~~ the step of extraction under super high pressure is combined with heating or cooling the pressure container.

14. (currently amended) The process according to claim 13, wherein characterized in that~~[[,]]~~ the step of heating combination is accomplished in the pressure container with a heater.

15. (currently amended) The process according to claim 13, wherein characterized in that~~[[,]]~~ the step of cooling combination is accomplished in the pressure container with a cooler

16. (currently amended) The process according to claim 13, wherein characterized in that~~[[,]]~~ the step of cooling combination is accomplished by placing the pressure container into a cooler.

17. (currently amended) The process according to claim 1, wherein the step of closing is done before the step of adding closure includes closing the container firstly and then charging the mixture into the container.

18. (new) The process according to claim 1, wherein, the step of increasing pressure is performed in steps.

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19. (new) The process according to claim I, wherein, the step of releasing pressure is performed in steps.

20. (new) The process according to claim I, wherein, the step of increasing pressure is performed at room temperature.